

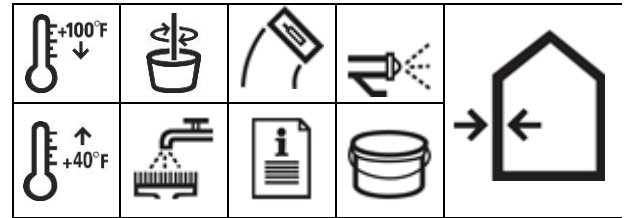
PRODUCT BULLETIN

Sto StoGuard® Mesh

Product Number(s):

80267 StoGuard Mesh 4.25"

80268 StoGuard Mesh 9.5"



PRODUCT DESCRIPTION

StoGuard Mesh is a self-adhesive glass fiber mesh for use with Sto Gold Fill® and Sto Gold Coat® TA to seal sheathing joints and seams, to protect rough openings, and to detail other transitions in vertical above grade wall construction.

FEATURES	BENEFITS
Self-adhesive	Stays in place without peeling or delaminating
Flexible	Folds easily around corners
Easy to cut	Speeds up installation
Glass fiber construction	High tensile strength; resists cracking

Coverage

StoGuard Mesh 4.25 in x 150 lineal ft (110mm x 45.7m)

StoGuard Mesh 9.5 in x 150 lineal ft (240mm x 45.7m).

Packaging: Cartons **Color:** Pale yellow

Shelf Life: 18 months if properly stored and sealed in original, unopened carton.

Storage: Protect from extreme heat [90°F (32°C)], freezing and direct sunlight.

SURFACE PREPARATION

Sto Proprietary Wall Systems: StoTherm® ci, StoVentec®, StoPowerwall®, StoQuik® Silver, StoPanel®, and StoLite® systems. Refer to applicable Sto Specification.

Surfaces must be fully cured, structurally sound, clean, dry, and free of frost, damage, and all bond-inhibiting materials, including dirt, dust, efflorescence, form oil and other foreign matter. Sheathing must be Exterior Grade or Exposure 1 wood-based sheathing, ASTM C1177 compliant glass mat gypsum sheathing, or ASTM C1325 Type A cementitious sheathing. Sheathing must be installed in compliance with the building code and manufacturer's recommendations. Treat sheathing joints, inside and outside corners, rough openings, and transition details with Sto Gold Fill applied over StoGuard Mesh. Refer to Sto Details. Pre-treat defects such as knots in wood-based sheathing, vacant fastener holes, and minor static cracks (up to 1/16 inch [1.6 mm] wide) in concrete and CMU with Sto Gold Fill. If cracks are structural consult an engineer.

APPLICATION

Apply between 40° and 100°F (4° and 38°C) during application and drying period. Apply only to fully cured, structurally sound, clean, dry, properly prepared, frost-free surfaces.

Installation over Sheathing: place minimum 4 inch (101 mm) wide mesh centered over sheathing joints and minimum 9 inch (152 mm) wide mesh at inside and outside corners. Apply Sto Gold Fill over the mesh to a uniform thickness of 1/16 inch (1.6mm) and trowel smooth. Protect from rain and freezing until dry. Spot fasteners, knots, or other voids in wood sheathing surfaces with Sto Gold Fill.

Installation over Concrete or Concrete Masonry: reinforce static cracks up to 1/8 inch wide with mesh centered over the crack. Apply Sto Gold Fill to a uniform thickness of 1/16 inch (1.6mm) and trowel smooth. Apply additional material as needed to completely cover the mesh and to produce a VOID and PINHOLE free surface.

StoGuard Mesh for Rough Opening Protection: use 9-1/2-inch (241mm) wide StoGuard Mesh to protect rough openings and place mesh so it extends to the interior of the opening and folds onto the face of the wall around the entire perimeter.

Apply 2-inch (51mm) wide diagonal mesh strips centered at corners of rough openings. Cut mesh length minimum 8-inches (203mm) longer than the sill length. Then apply mesh at sill, fold down onto face of wall, and fold up jambs minimum 4 inches (102mm). Cut mesh lengths slightly shorter than jamb lengths. Then apply at jambs, fold onto face of wall, and overlap sill piece minimum 2-1/2 inches (51mm) at jambs. Cut mesh length minimum 8-inches (203mm) longer than the head length, then apply at head, fold onto face of wall, and fold down onto jambs with minimum 4-inch (203mm) overlap at jambs.

Apply Sto Gold Fill by trowel or spray over the mesh to a uniform thickness of 1/16-inch (64mm) and trowel smooth. Apply additional material as needed to completely cover the mesh and to produce a VOID and PINHOLE free surface.

Protect from rain and freezing until completely dry. Top coat with the specified Sto Air and Water-Resistive Barrier coating within 90 days of Sto Gold Fill application.

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LIMITATIONS

- Avoid contact with dirt and debris which will cling to self-adhesive side of mesh.
- Ambient and surface temperatures must be between 40° and 100°F (4° and 38°C) during application and drying period.
- Do not apply if the surface temperature is less than 4°F (2.8°C) above the ambient dew point temperature.
- Do not use on damp surfaces, below grade or on surfaces subject to in-service water immersion.
- Allowable weather exposure: cover with Sto Gold Fill as the product is being installed or the same day
- Not recommended for spanning sheathing joints or holes in excess of 1/8-in (3mm) wide.
- Not intended for use as a finish product or for prolonged weather exposure. Must be top coated with specified StoGuard Air and Water-resistive Barrier coating within 90 days.

LIMITED WARRANTY

This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.

HEALTH AND SAFETY

Warning: KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY

Disposal: dispose in accordance with local, state, or federal regulations

Consult the Safety Data Sheet (SDS) for further health and safety information, available at www.stocorp.com

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULT*
Tensile Strength	ASTM E 2098	Measure Warp Measure Weft	150 lbs/in (26.3 N/mm) 165 lbs/in (28.9 N/mm)
Air Leakage of Air Barrier Assembly ¹	ASTM E2357	< 0.2 L/s•m ² @ 75 Pa (< 0.04 cfm/ft ² @ 1.57 psf)	Pass as joint and transition material over sheathed wall
Building Code Compliance	Meets requirements for use on noncombustible construction as a component of: <ul style="list-style-type: none"> • StoTherm® ci, StoPowerwall®, StoQuik® Silver, StoPanel®, and StoLite® Refer to ICC ESRs 1748, 4500, and 1233. • StoVentec® Ventilated Rainscreen wall systems. Refer to Intertek Design Listings Sto/CWP 30-01, Sto/CWP 30-02, and Intertek CCRR-0454 • Code compliant concrete, concrete masonry, and portland cement stucco wall assemblies 		
*Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests.			
1. Test specimens use Sto Gold Fill to cover StoGuard Mesh			

Sto Corp. 3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 Tel: 404-346-3666 Toll Free: 1-800-221-2397 Fax: 404 346-3119 www.stocorp.com	Revision Number: 004 Date: 011/2022	<p style="text-align: center;">ATTENTION</p> <p>This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com</p>
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